10. Pedro

Program Name: Pedro.java   Input File: pedro.dat

Pedro really likes cats, and is at the shelter to adopt some. All the cats cost the same amount, and he is at the shelter, so he knows how many cats he wants and how many the shelter has. However, he wants your help in showing him which combinations of cats he can adopt.

Given the number of cats **i** Pedro can adopt, and the list of cats that are at the shelter, show Pedro all the possible cat combinations utilizing **i** cats that he can adopt (in alphabetical order).

Pedro will never try to adopt more cats than the shelter currently has.

Input: An integer representing the number of cats Pedro wants to adopt, followed by series of strings representing the cats' names separated by spaces. All data sets will be separated by a new line.

Output: All the possible cats, in alphabetical order, represented by a list of cats' names separated by space. Each output set should be followed by a blank line. All the cats in the given list will be unique.

Example Input:
```
3 orange-kitty blue-kitty white-kitty black-kitty
10 scarecrow clarissa harley simba tiger maya mojo fluffy reena lucy
2 paintjob ethel-cat spot reinma venmo carno
```

Example Output:
```
black-kitty blue-kitty orange-kitty
black-kitty blue-kitty white-kitty
black-kitty orange-kitty white-kitty
blue-kitty orange-kitty white-kitty

clarissa fluffy harley lucy maya mojo reena scarecrow simba tiger

carno ethel-cat
carno paintjob
carno reinma
carno spot
carno venmo
ethel-cat paintjob
ethel-cat reinma
ethel-cat spot
ethel-cat venmo
paintjob reinma
paintjob spot
paintjob venmo
reinma spot
reinma venmo
spot venmo
```